User Manual

27PT8420
30PW8420

STOP!
Thank you for choosing Philips.
Need help fast?
Read your Quick Use Guide and/or Owner's Manual first for quick tips that make using your Philips product more enjoyable.
If you have read your instructions and still need assistance, you may access our online help at
www.usasupport.philips.com
or call
1-888-PHILIPS (744-5477)
while with your product
(and Model / Serial number)

Model No.:_____

Serial No.:_____

PHILIPS

3139 125 33662- English

Return your Product Registration Card today to get the very most from your purchase.

Registering your model with PHILIPS makes you eligible for all of the valuable benefits listed below, so don't miss out. Complete and return your Product Registration Card at once to ensure:

*Proof of Purchase

Returning the enclosed card guarantees that your date of purchase will be on file, so no additional paperwork will be required from you to obtain warranty service.

*Product Safety Notification

By registering your product, you'll receive notification - directly from the manufacturer - in the rare case of a product recall or safety defect.

*Additional Benefits of Product Ownership

Registering your product guarantees that you'll receive all of the privileges to which you're entitled, including special money-saving offers.

PHILIPS

Congratulations on your purchase, and welcome to the "family!"

Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. We'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry. What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

Most importantly, you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome - and thanks for investing in a PHILIPS product.

P.S. To get the most from your PHILIPS purchase, be sure to complete and return your Product Registration Card at once.

Know these **safety** *symbols*

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION: Pour éviter les choc électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

For Customer Use

Enter below the Serial No. which is located on the rear of the cabinet. Retain this information for future reference.

Model No._____

Serial No. _____

IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

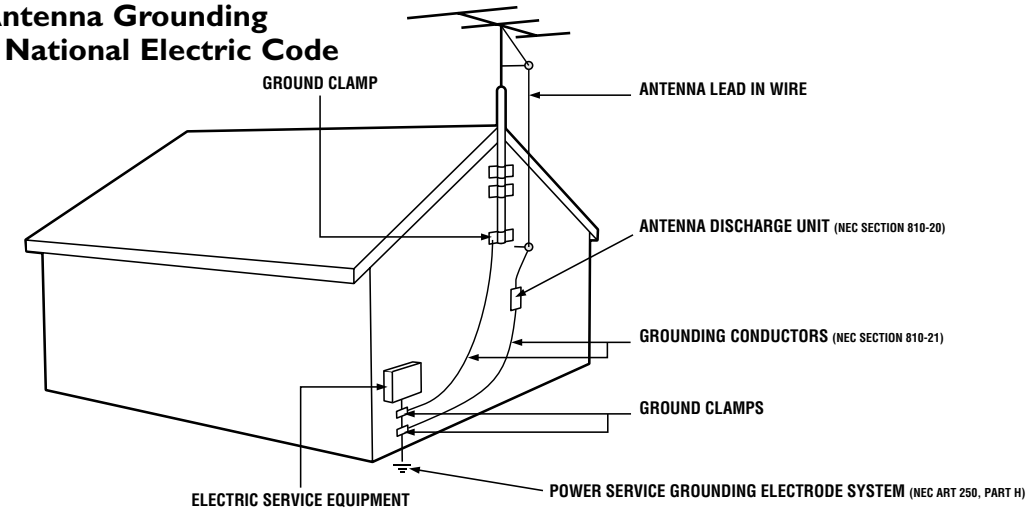
1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
    - **A.** The power supply cord or the plug has been damaged; or
    - **B.** Objects have fallen, or liquid has been spilled into the appliance; or
    - **C.** The appliance has been exposed to rain; or
    - **D.** The appliance does not appear to operate normally or exhibits a marked change in performance; or
    - **E.** The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
    • Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
    • Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.

    Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.

    a) Warning: To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
22. **Battery Usage CAUTION -** To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
    • Install all batteries correctly, with + and - aligned as marked on the unit.
    • Do not mix batteries (old and new or carbon and alkaline, etc.).
    • Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

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Features

Active Control™ continuously measures and corrects all incoming signals to help provide the best picture quality. This feature monitors and corrects both the sharpness control and noise reduction control.

Audio/Video Jack Panel allows direct connections with VCRs, DVDs, or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from four factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The four factory-set controls (Speech, Movie, Music, and Multimedia) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Channel Edit allows you to add or delete channels from the list stored in the TV's memory. Channel Edit makes it easy to limit or expand the number of channels that are available to you when you press the Channel (+) or (–) buttons on your remote control.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as onscreen text.

Infrared Remote Control works your TV and other remote-controlled devices, such as VCRs, DVD players, cable converters, and satellite receivers.

Onscreen Menu shows helpful messages and instructions for setting TV feature controls (can be viewed in English, French, or Spanish).

Sleep Timer automatically turns the TV OFF after a set amount of time that you choose.

Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

As an Energy Star® Partner, Philips Consumer Electronics has determined this product meets the Energy Star® guidelines for energy efficiency. Energy Star® is a U.S. registered mark. Using products with the Energy Star® label can save energy. Saving energy reduces air pollution and lowers utility bills.

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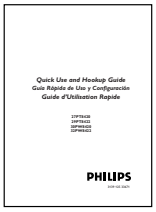
*Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

QUICK USE AND SETUP GUIDE

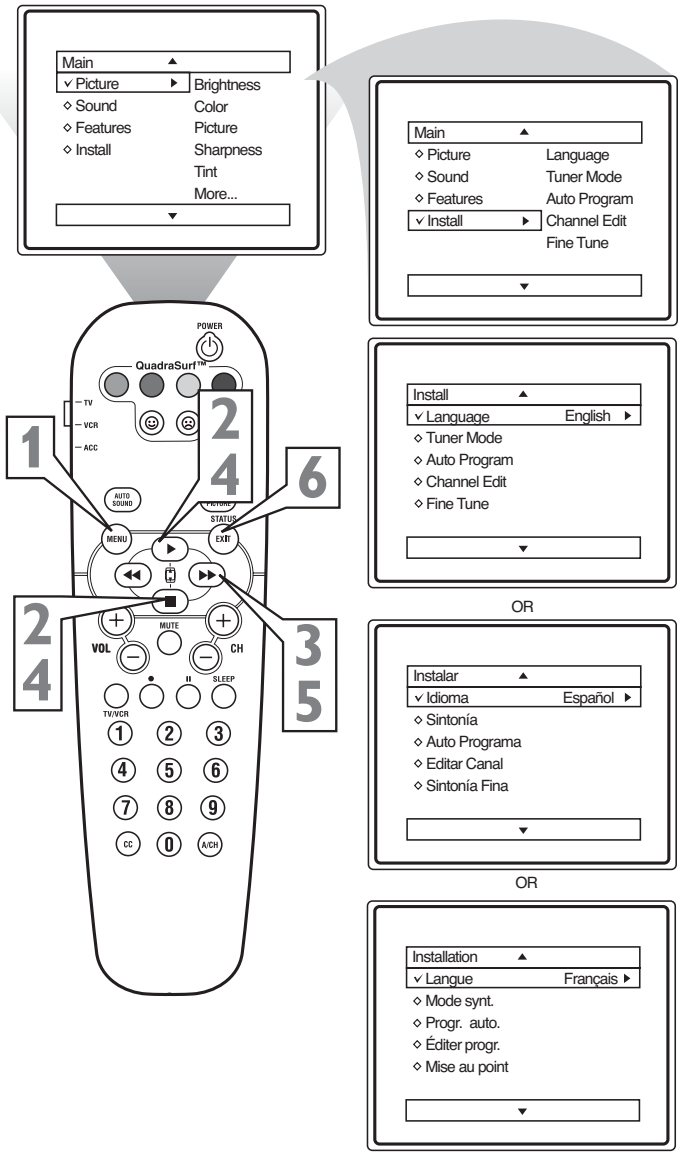
Refer to the simple *Quick Use and Setup Guide* (supplied with your TV) for details on making Connections and Remote Control Operation.



How to Use the Language Control

For French and Spanish speaking TV owners an onscreen Language option is present. With the Language control you can set the TV's on-screen menu to be shown in English, French, or Spanish.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll though the onscreen menu until the word **Install** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Install** menu features.
4. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the Install features until the word **Language** is highlighted.
5. **Press the CURSOR RIGHT ▶▶ button repeatedly** to select English, Francais (French), or Español (Spanish).
6. **When finished, press the STATUS/EXIT button** to remove the menu from the TV's screen.



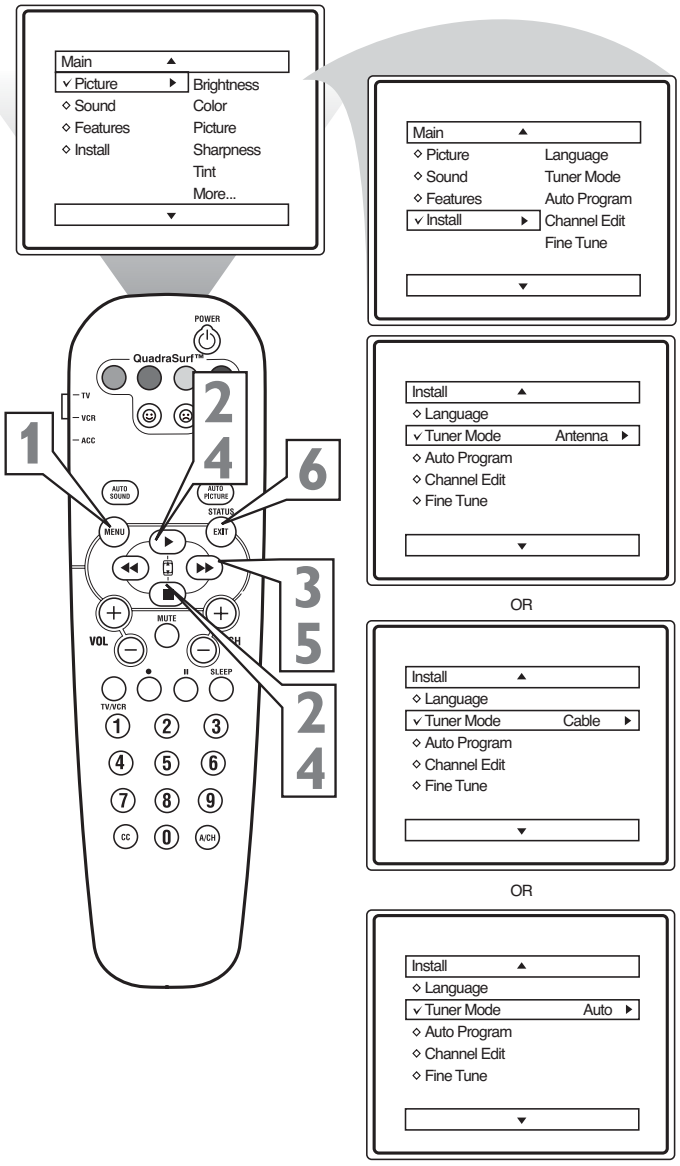
Helpful Hint

The Language control only makes the TV's on-screen Menu items appear in English, Spanish, or French text.
It does not change the other on-screen text features such as Closed Caption (CC) TV shows.

How to Use the Tuner Mode Control

The TUNER MODE control allows you to change the TV's input signal to either ANTENNA, CABLE, or AUTO mode. It's important for the TV to know what type of signal to look for (Cable TV or an Antenna). In the AUTO mode, when the AUTO PROGRAM feature is activated, the TV will automatically choose the correct mode.

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the onscreen menu until the word **Install** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to dis play the **Install** menu features.
4. **Press CURSOR UP ▶ or DOWN ■ buttons** to scroll the Install features until the words **Tuner Mode** is highlighted.
5. **Press the CURSOR RIGHT ▶▶ button** to select either **Antenna**, **Cable**, or **Auto** mode.
6. **When finished, press the STATUS /EXIT button** to remove the onscreen menu from the TV's screen.



Helpful Hints

When CABLE is selected, channels 1-125 are available.

When ANTENNA is selected, channels 2-69 are available.

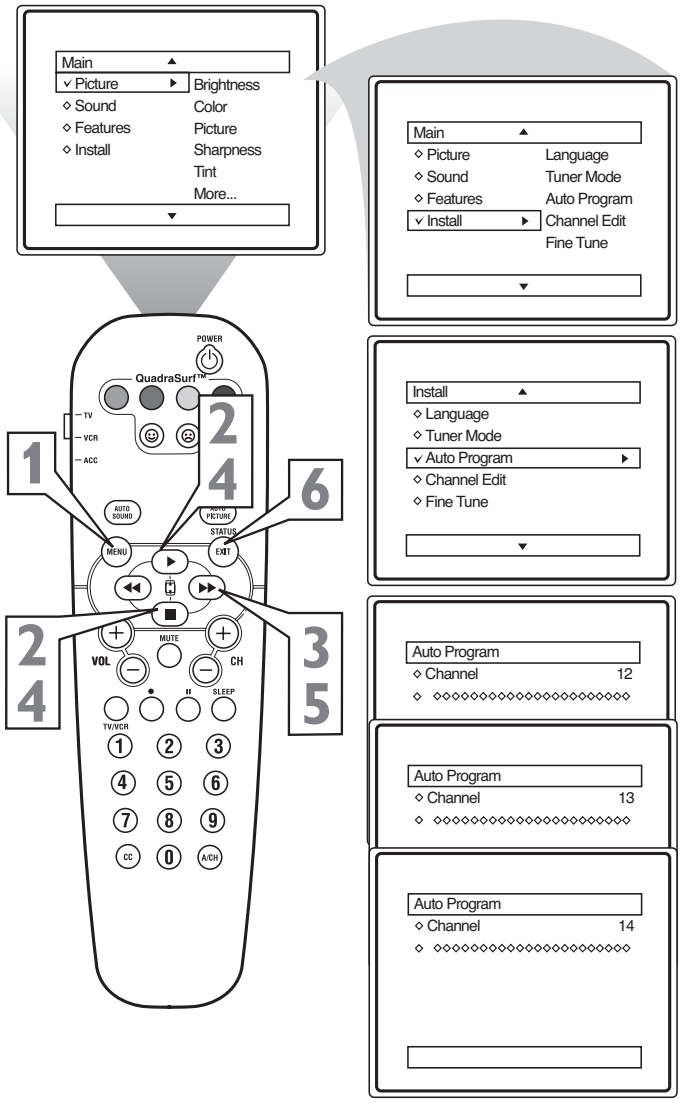
When AUTO is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the AUTO PROGRAM feature is activated.

AUTOMATIC PROGRAM

Your TV can automatically set itself for local area (or Cable TV) channels. This makes it easy for you to select only the TV stations in your area when the CHANNEL (+), (–) buttons are pressed.

Note: Make sure the antenna or cable signal connection has been completed before AUTO PROGRAM is activated.

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the onscreen menu until the word **Install** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Install** menu features.
4. **Press CURSOR UP ▶ or DOWN ■ buttons** to scroll the Install features until the words **Auto Program** are highlighted.
5. **Press the CURSOR RIGHT ▶▶ button** to start the Auto Program scanning of channels. Auto Programming will store all available channels in the TV's memory then tune to the lowest available channel when done.
6. **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.



HELPFUL HINTS

When CABLE is selected, channels 1-125 are available.

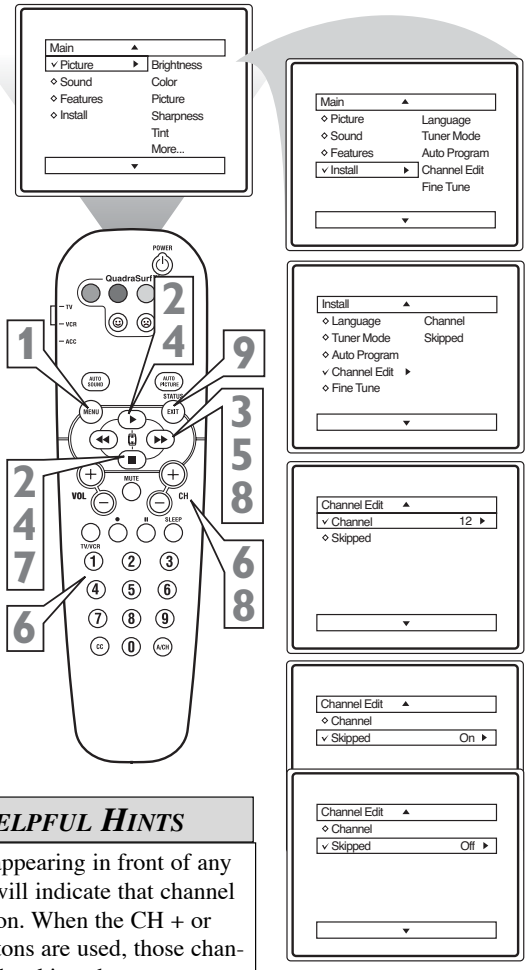
When ANTENNA is selected, channels 2-69 are available.

When AUTO is selected, the TV will automatically set itself to the correct mode based on the type of signal it detects when the AUTO PROGRAM feature is activated.

CHANNEL EDIT

Channel Edit makes it easy for you to ADD or DELETE channels from the list of channels stored in the TV's memory.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the onscreen menu until the word **Install** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Install** menu features.
4. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the Install features until the words **Channel Edit** are highlighted.
5. **Press the CURSOR RIGHT ▶▶ button** to display the Channel Edit options.
6. **With the Channel Edit options displayed,** and **Channel** highlighted; you can use the cursor buttons to scroll through all available channels that you wish to add (skipped OFF) or delete (Skipped ON) from the TV's memory. You can also use the NUMBERED buttons to go directly to a specific numbered channel that you want to add or skip. Or, you can also use the CH+ or CH- to quickly scan through the channels that have not been skipped.
7. **Using the CURSOR DOWN ■ button**, scroll the menu to highlight the word SKIPPED.
8. **Now use the CURSOR RIGHT ▶▶ button to toggle between On or Off.** If ON is selected the channels is skipped when scrolling channels with the CH+ or CH- buttons. If OFF is selected the channels is not skipped when scrolling channels with the CH+ or CH- buttons.
9. **When finished, press the STATUS/EXIT button** to remove the menu from the screen.



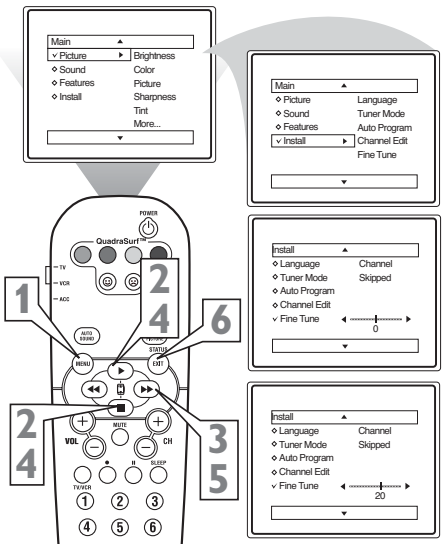
HELPFUL HINTS

An "X" appearing in front of any channel will indicate that channel has skip on. When the CH + or CH - buttons are used, those channels will be skipped.

FINE TUNE

Fine tune improves the picture when the reception is poor.

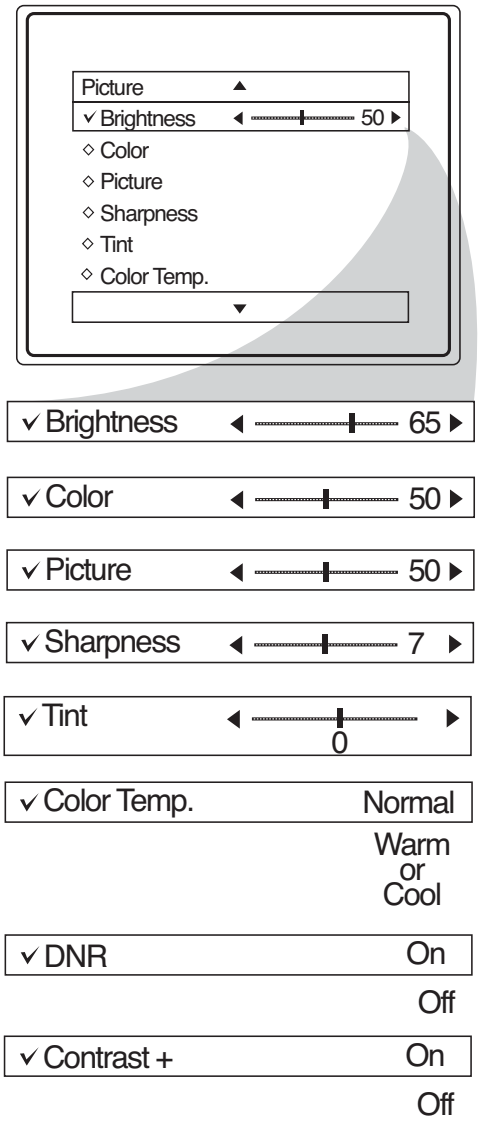
1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the onscreen menu until the word **Install** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Install** menu features.
4. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the Install features until the words **Fine Tune** are highlighted.
5. **Press the CURSOR RIGHT ▶▶ button** to improve the picture quality.
6. **When finished, press the STATUS/EXIT button** to remove the menu from the screen.



PICTURE MENU CONTROLS

To adjust your TV picture controls, select a channel and use the Picture Menu Controls listed below:

1. **Brightness Control - Press the CURSOR ▶▶ or ◀◀ buttons** until the darkest parts of the picture are as bright as you prefer.
2. **Color Control - Press the CURSOR ▶▶ or ◀◀ buttons** to add or eliminate color.
3. **Picture Control - Press the CURSOR ▶▶ or ◀◀ buttons** until lightest parts of the picture show good detail.
4. **Sharpness Control - Press the CURSOR ▶▶ or ◀◀ buttons** to improve detail in the picture.
5. **Tint Control - Press the CURSOR ▶▶ or ◀◀ buttons** to obtain natural skin tones.
6. **Color Temp Control - Press the CURSOR ▶▶ or ◀◀ buttons** to select Normal, Cool, or Warm picture preferences. (Normal will keep the whites, white; Cool will make the whites, bluish; and Warm will make the whites, reddish.)
7. **DNR Control - Press the CURSOR ▶▶ or ◀◀ buttons** to turn DNR On or Off. Dynamic Noise Reduction helps to eliminate "noise" from the picture.
8. **Contrast + Control - Press the CURSOR ▶▶ or ◀◀ buttons** to toggle the control On or OFF. The Contrast + control helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.



SOUND MENU CONTROLS

To adjust your TV sound, select and use the Sound Menu Controls listed below:

1 **Treble: Press the CURSOR ▶▶ or ◀◀ buttons** to adjust the control. The control will enhance the high frequency sounds.

2 **Bass: Press the CURSOR ▶▶ or ◀◀ buttons** to adjust the control. The control will enhance the low frequency sounds.

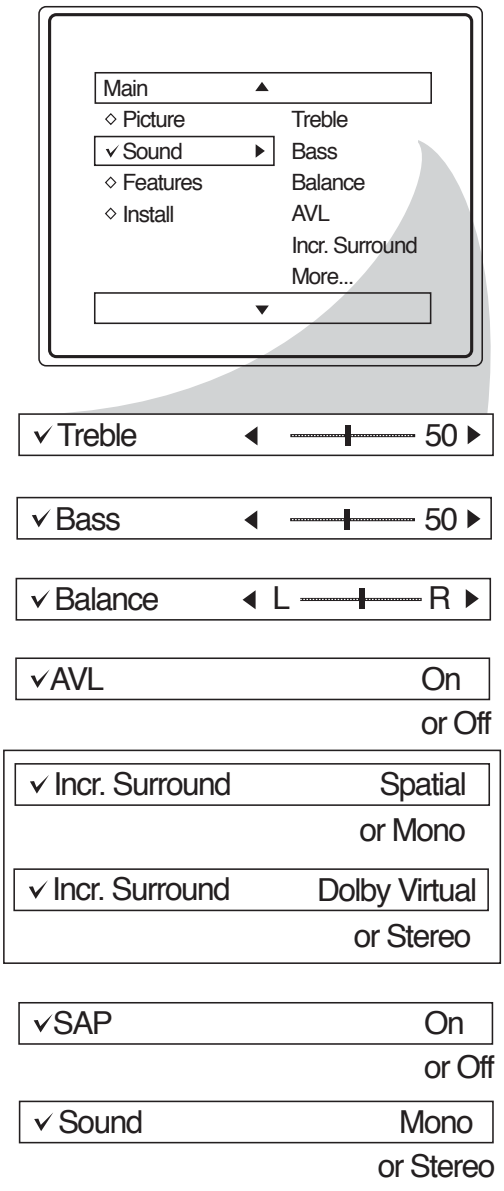
3 **Balance:** Press the **CURSOR ▶▶ or ◀◀ buttons** to adjust the level of sound coming from the left and right speakers.

4 **AVL:** (Auto Volume Leveler) **Press the CURSOR ▶▶ or ◀◀ buttons** to turn the control On or Off. When On, AVL will level out the sound being heard when sudden changes in volume occur during commercial breaks or channel changes.

5 **Incr. Surround: Press the CURSOR ▶▶ or ◀◀ buttons** to select between Dolby Virtual or Stereo settings (If Stereo), or select Spatial or Mono (If Mono).

6 **SAP: Press the CURSOR ▶▶ or ◀◀ buttons to** toggle this control to On or Off. SAP is short for Secondary Audio Programming and is sent as a third audio channel, a SAP signal can be heard apart from the current TV program sound.Note: If SAP is not present on a selected show No SAP will appear on the screen.

7 **Sound: Press the CURSOR ▶▶ or ◀◀ buttons** to select between Stereo or Mono settings. Note: If Stereo is not present on a selected show and the TV is placed in the Stereo mode, the sound coming from the TV will remain in the Mono mode.

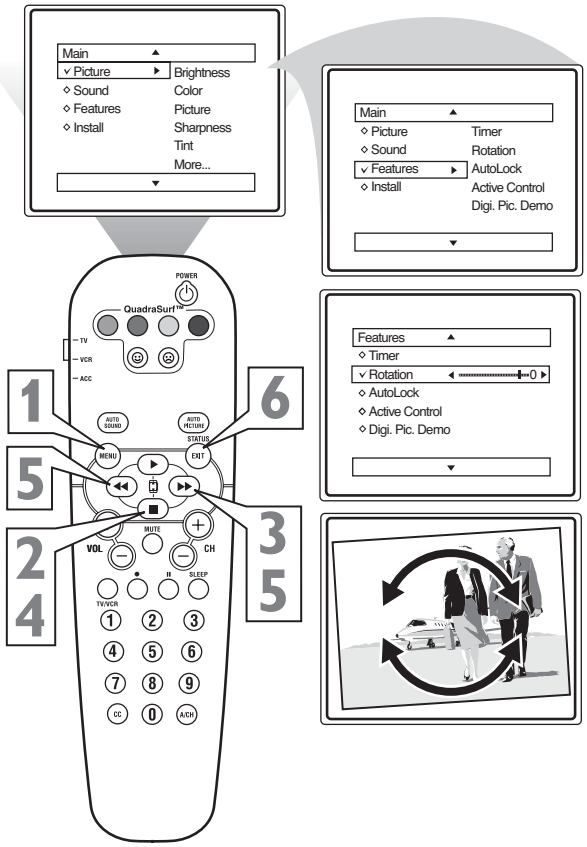


How to Use the Rotation Controls

Rotation Options for model: 30PW8420

In rare cases the video supplied to the TV screen might show slightly tilted one way or another. The Tilt Adjust control will allow you to correct the problem by adjusting the screen in a clockwise or counter-clockwise direction.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN ■ buttons** until Features is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** and the menu will shift to the left.
4. **Press the CURSOR DOWN ■ buttons** repeatedly until the Rotation control is highlighted.
5. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to rotate the picture on the screen clockwise or counter clockwise. Please note that the amount of rotation will be very minimal.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.



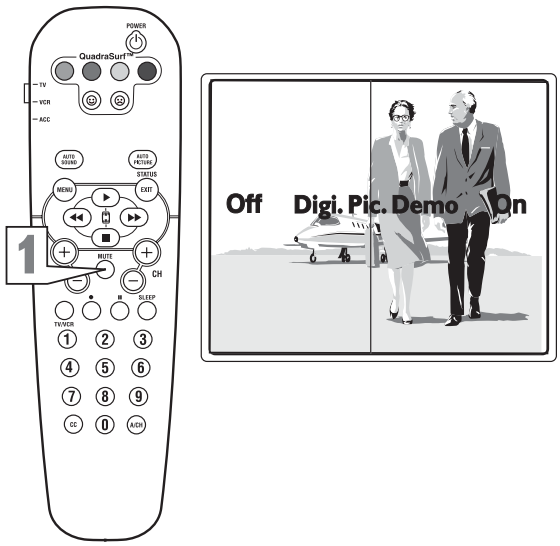
Demo Mode

For model 27PT8420, demo mode works in 4:3 format only.
For model 30PW8420, demo mode works in 16:9 format only.

With Demo Mode On, a split screen demo will be shown on the screen. The Demo Mode will show the right side with show a sharper image with more natural motion.

1. **Press the MUTE button** on the remote approximately 3-4 seconds. The split screen demo appears. After 20 seconds, the TV will automatically return to normal operation.

Note: You can also turn the Digital Picture Demo On or Off by using onscreen menu.



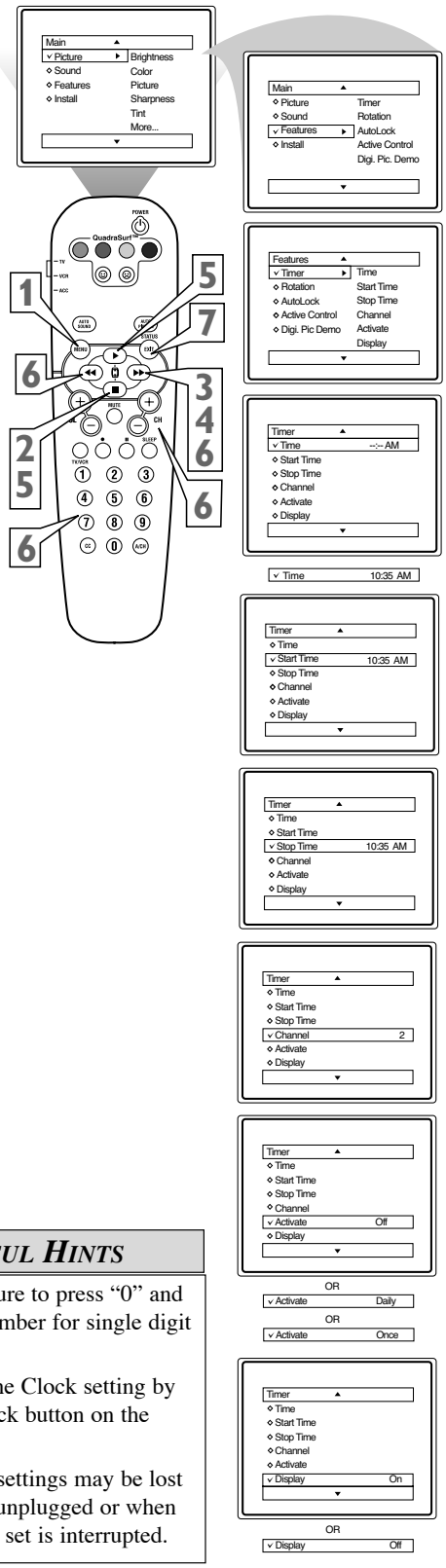
How to use the Timer Menu Controls

Your television comes with an onscreen clock. The TV can also be set to turn on or off at a specific time and tune to a specific channel when it powers itself on.

1. **Press the MENU button** on the remote control to display the onscreen menu.
2. **Press the CURSOR DOWN ■ button** until **Features** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Features** menu.
4. **Press the CURSOR RIGHT ▶▶ button** to display the **Timer** menu.
5. **Press the CURSOR UP ▶ or DOWN ■ buttons** repeatedly to highlight one of the Timer controls. These controls are Time, Start Time, Stop Time, Channel, Activate, and Display.
6. Press the CURSOR **RIGHT ▶▶ button** to dis play the menu for the selected item.

   Make adjustments to the selected items by following the steps below.
   Time: Enter the current time using the Numbered buttons. Use the **CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to toggle the AM and PM setting.
   Start Time: Use the numbered buttons to enter the time you want the TV to turn itself On. Use the **CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to toggle the AM and PM setting.
   Stop Time: Use the numbered buttons to enter the time you want the TV to turn itself Off. Use the **CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to toggle the AM and PM setting.
   Channel: Use the NUMBERED buttons or the CH + or CH- buttons to enter the desired start-up channel.
   Activate: Set the timer to turn itself On or Off Once or Daily. Press the **CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to select Once, Daily, or Off.
   Display: Press the **CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to toggle between On or Off. If On is selected, the time will be displayed all the time when the TV is on. When Off is selected, the time will only appear when the STATUS/EXIT button is pressed.
7. **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen.

NOTE: You can also press the CLOCK button on the remote control to go directly to the Timer menu.



Helpful Hints

Remember, be sure to press "0" and then the hour number for single digit entries.

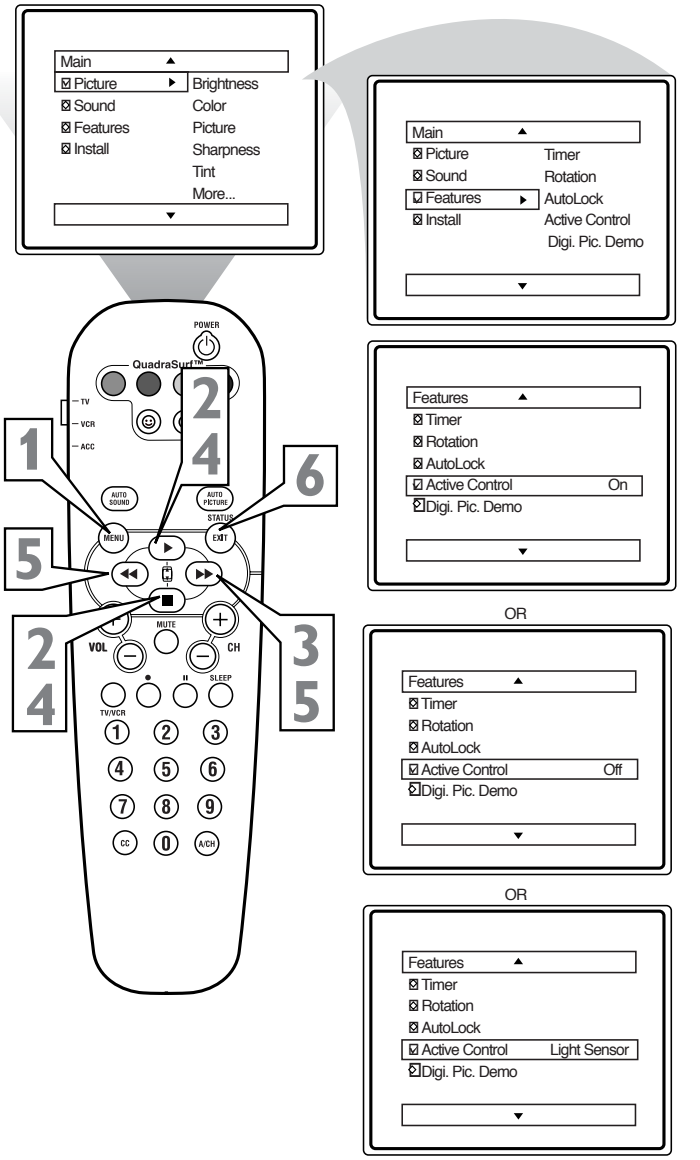
You can get to the Clock setting by pressing the Clock button on the remote control.

The TV's clock settings may be lost when the TV is unplugged or when AC power to the set is interrupted.

ACTIVE CONTROL™ OPTIONS

The Active Control monitors and adjusts incoming video signals to help provide the best picture quality. When you choose to turn the Active Control On, the picture sharpness and noise reduction are controlled automatically. Active Control adjusts these picture settings continuously and automatically.

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** to scroll through the onscreen menu until the word **Features** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the **Features** menu.
4. **Press the CURSOR UP ▶ or DOWN ■ buttons** to repeatedly until **Active Control** is highlighted.
5. **Press the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** to toggle the Active Control to On, Off, or Light Sensor
6. **When finished, press the STATUS /EXIT button** to remove the onscreen menu from the TV's screen.



HELPFUL HINTS

When the option "Light Sensor" is selected, the picture will be adjusted automatically according to the ambient light of the room. When the lighting in the room is dim, the brightness of the picture will be decreased. When the lightning in the room is bright, the brightness of the picture will be increased.

UNDERSTANDING AUTOLOCK™ CONTROLS

The AutoLock™ feature is an integrated circuit that receives and processes data sent by broadcasters, or other program providers, that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of viewing children may watch.

AutoLock™ offers various BLOCKING controls from which to choose:

Access Code - An Access Code must be set to prevent children from unblocking questionable or censored programming set by their parents.

Channel Block - After an access code has been programmed, you can block individual channels including the A/V inputs.

Clear All - Allows you clear all channels being blocked from your viewing set with the Channel Block Control.

Block All - Allows you to block ALL channels and A/V inputs at one time.

Movie Ratings - Certain blocking options exist which will block programming based on ratings patterned by the Motion Pictures Association of America.

TV Ratings - Just like the Movie Ratings, programs can be blocked from viewing using standard TV ratings set by TV broadcasters.

MOVIE RATINGS

G: General Audience - All ages admitted. Most parents would find this program suitable for all ages.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13.

MOVIE RATINGS Continued

R: Restricted - This is programming is specifically designed for adults. Anyone under the age of 17 should only view this programming with an accompanying parent or adult guardian.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV RATINGS

TV-Y -- Designed for a very young audience, including children ages 2-6.

TV-Y7 -- It may be appropriate for children age 7 and above who have acquired the development skills needed to distinguish between make-believe and reality.

TV-G -- Suitable for most audiences, this type of programming contains little or no violence, no strong language, and little or no sexual dialogue or situations.

TV-PG -- This program contains material that parents may find unsuitable for younger children. Could contain Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14 -- This program contains some material that many parents would find unsuitable for children under 14 years of age. This type of programming contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA -- This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This type of programming contains one or more of the following: graphic violence (V), explicit sexual situations (S), or crude indecent language (L).

SETTING UP AN ACCESS CODE

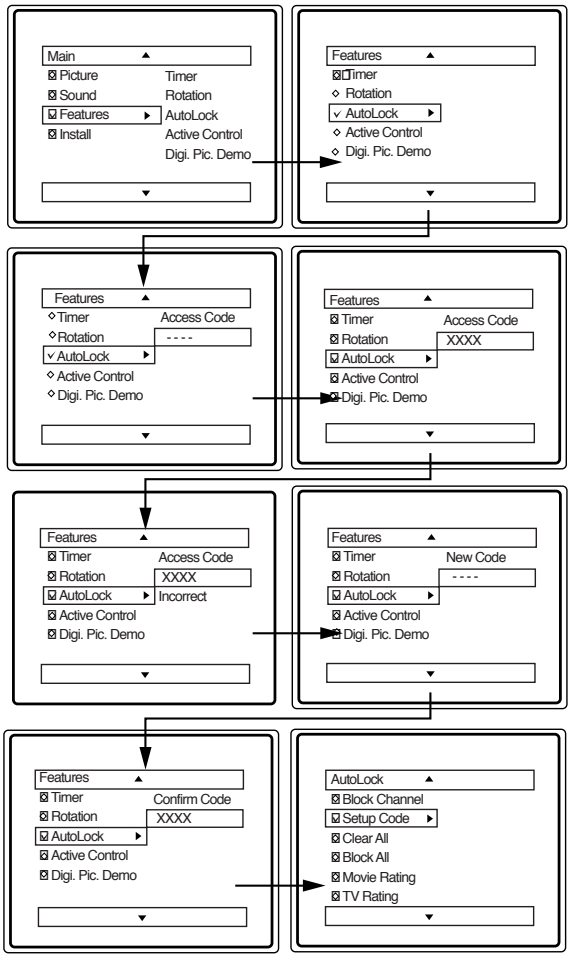
Over the next few panels you'll learn how to block channels and get a better understanding of the rating terms for certain programming.

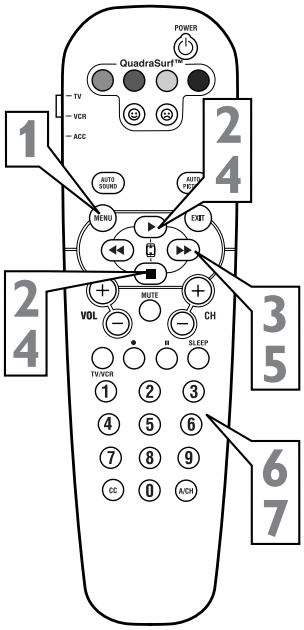
First, let's start by learning how to set a personal access code:

1. **Press the MENU button** on the remote to display the onscreen menu.
2. **Press the CURSOR UP ▶ or DOWN ■ buttons** until the word **Features** is highlighted.
3. **Press the CURSOR RIGHT ▶▶ button** to display the Features menu options.
4. **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words Auto Lock™ are highlighted.
5. **Press the CURSOR RIGHT ▶▶ button.** The screen will read, **"Access Code - - - - ."**
6. **Using the NUMBERED buttons, enter 0, 7, 1, 1. "XXXX"** appears on the Access Code screen as you press the numbered buttons.

   "Incorrect Code" will appear on the screen, and **you will need to enter 0, 7, 1, 1 again.**
7. The screen will ask you to enter a "New Code." **Enter a "new" 4 digit code using the NUMBERED buttons.** The screen will then ask you to CONFIRM the code you just entered. **Enter your new code again. "XXXX"** will appear when you enter your new code and then display the AutoLock™ menu options.

Proceed to the next page to learn more...





BLOCK CHANNELS

After your personal access code has been set (see previous page), you are now ready to select the channels or the A/V Inputs you want to block out or censor.
Once you've entered your access code and the AutoLock™ features are displayed on the screen:

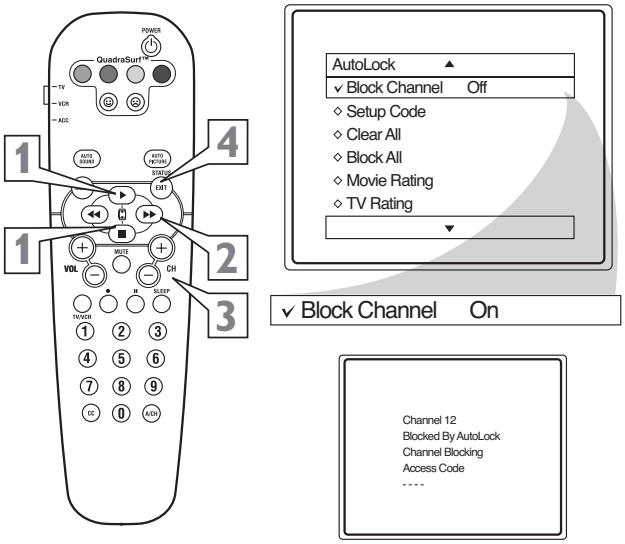
1 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words **Block Channel** are highlighted.

2 **Press the CURSOR RIGHT ▶▶ button** to turn blocking ON or OFF for that channel. When ON is selected the channel will be blocked.

3 **Press the CH + or CH – button** to select other channels you wish to block. Repeat steps 2-3 to block the new channel.

4 **When finished, press the STATUS/EXIT button** to remove the menu from the screen.

NOTE: If you ever forget your code, the 0, 7, 1, 1 code is the factory default and can be used to enter and create a new access code.



BLOCK/CLEAR ALL CHANNELS AT THE SAME TIME

After blocking specific channels there may come a time when you want to block or clear all the channels at the same time.
Once you've entered your access code and the AutoLock™ features are displayed on the screen:

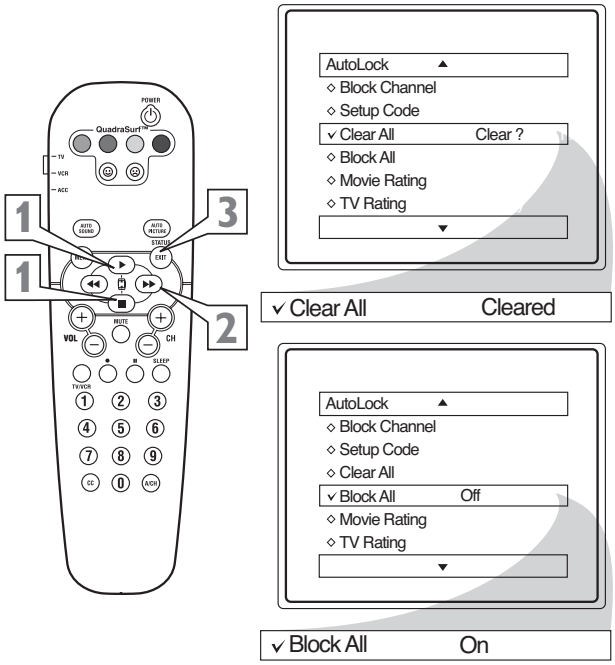
1 **Press the CURSOR UP ▶ or DOWN ■ buttons** to select either Clear All or Block All.

2 **If Clear All is selected, press the CURSOR RIGHT ▶▶ button** to clear all blocked channels. All channels will be viewable.

If Block All is selected, press the CURSOR RIGHT ▶▶ button to turn the control On or Off. When On is selected, ALL available channels will be blocked from viewing.

3 **When finished, press the STATUS/EXIT button** to remove the menu from the screen.

NOTE: If you ever forget your code, the 0, 7, 1, 1 code is the factory default and can be used to enter and create a new access code.



MOVIE RATINGS

The AutoLock™ feature can block programming based on the Movie Industry ratings. Once you've entered your access code and the AutoLock™ features are displayed on the screen:

1 **Press the CURSOR UP ▶ or DOWN ■ buttons** to highlight the words Movie Rating.

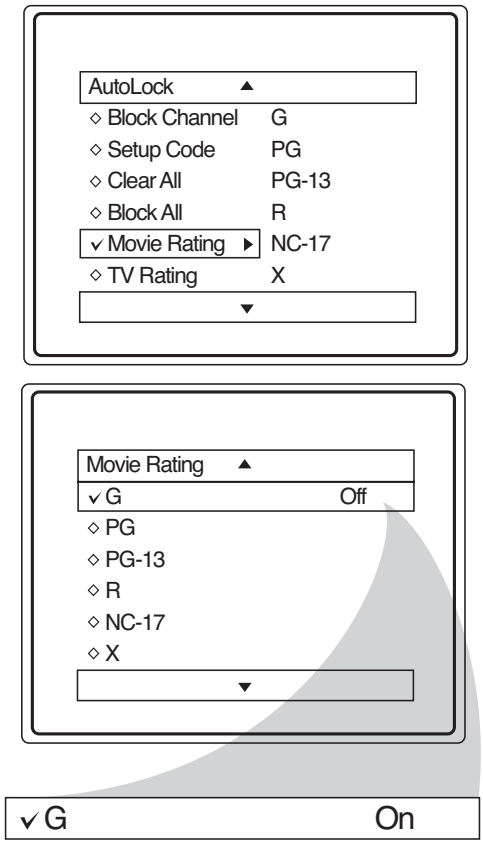
2 **Press the CURSOR RIGHT ▶▶ button** to display the **Movie Rating** options (G, PG, PG-13, R, NC17, or X).

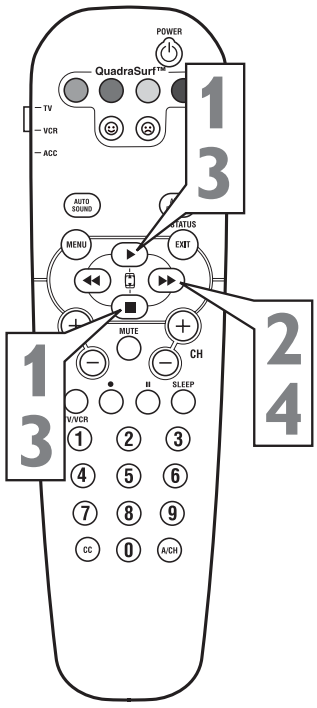
3 **Press the CURSOR UP ▶ or DOWN ■ buttons** to highlight any of the Movie Rating options. When highlighted, all these options can be turned **On** *(which will allow blocking)* or **Off** *(which will allow viewing).*

4 **Use the CURSOR RIGHT ▶▶ button** on the remote to turn the rating option On or Off.

When a rating level is chosen to be blocked, any higher level rating will also be blocked from viewing. (i.e.: If "R" is selected to be blocked, NC-17 and X will automatically be blocked.)

NOTE: If you ever forget your code, the 0, 7, 1, 1 code is the factory default and can be used to enter and create a new access code.





TV RATINGS

The AutoLock™ feature can block programming based on the TV Industry ratings.

Once you've entered your access code and the AutoLock™ features are displayed on the screen:

1 **Press the CURSOR UP ▶ or DOWN ■ buttons** to highlight the words TV Rating.

2 **Press the CURSOR RIGHT ▶▶ button** to display the **TV Rating** options (TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA).

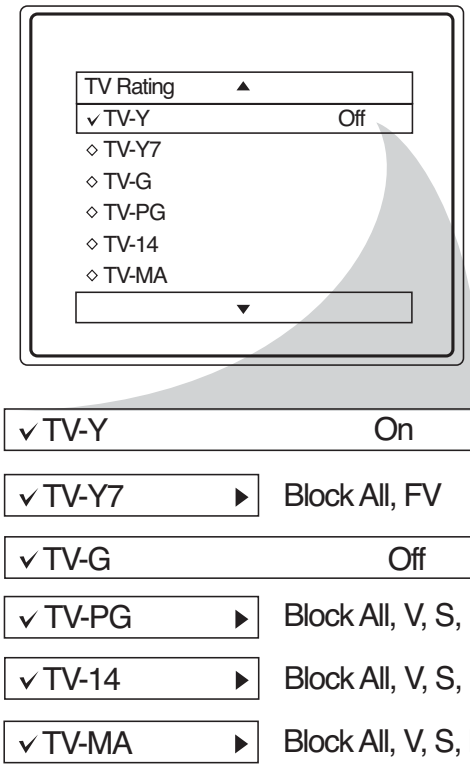
3 **Press the CURSOR UP ▶ or DOWN ■ buttons** to highlight any of the TV Rating options. When highlighted, all these options can be turned **On** *(which will allow blocking)* or **Off** *(which will allow viewing).*

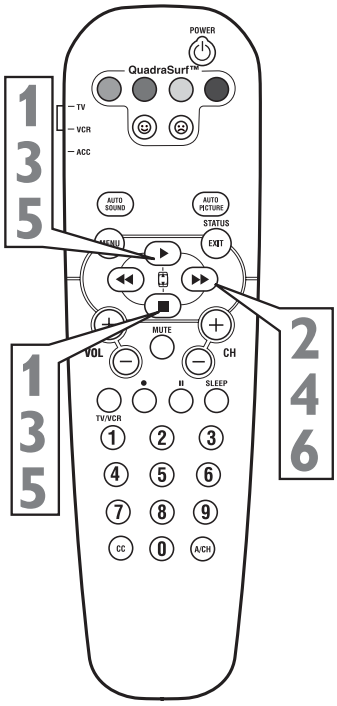
NOTE: Some TV RATING options also have sub-ratings. The ratings of TV-Y7, TV-PG, TV-14, TV-MA can be customized to block V (violence), FV (fantasy violence), S (sexual situations), L (coarse language), or D (suggestive dialogue).

4 **Press the CURSOR RIGHT ▶▶ button** on the emote to turn the TV-Y or TV-G rating On or Off. **Or, press the CURSOR RIGHT ▶▶ button** to enter the sub-menus for the TV-Y7, TV-PG, TV-14 or TV-MA ratings.

5 If the TV-Y7, TV-PG, TV-14 or TV-MA sub-menu is accessed, **press the CURSOR UP ▶ or DOWN ■ buttons** to select one of the options (Block All, V, S, L, D, or FV).

6 **Press the CURSOR RIGHT ▶▶ button** on the remote to turn the option ON or OFF.





BLOCKING OPTIONS

AutoLock™ offers the viewer other blocking features as well. With these Blocking Options, the censoring can be turned ON or OFF.
Once you've entered your access code and the AutoLock™ features are displayed on the screen:

1 **Press the CURSOR UP ▶ or DOWN ■ buttons** until the words **Block Options** are highlighted.

2 **Press the CURSOR RIGHT ▶▶ button** to display the **Blocking Options (Blocking, Unrated, or No Rating) menu.**

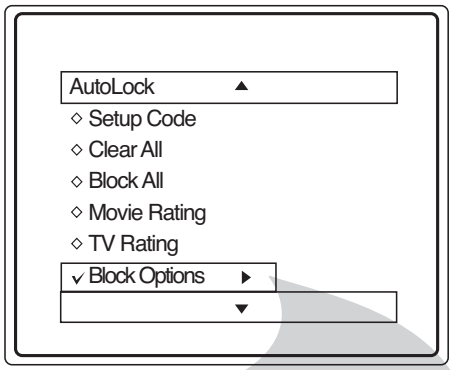
Blocking: Might be called the "master switch" for AutoLock™. When On, ALL blocking/censoring will take place. When Off, ALL blocking is disabled.

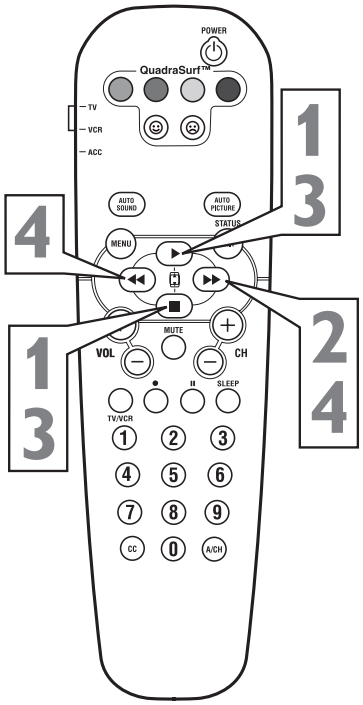
Unrated: ALL unrated programs based on the Movie Ratings or Parental (TV) Guidelines can be blocked if this feature is set to On and the Blocking feature is set to OFF.

No Rating: ALL programming with NO content advisory data can be blocked if set to On and the Blocking feature is set to OFF.

3 **Press the CURSOR ▶ or DOWN ■ buttons** to highlight the desired feature.

4 When highlighted, each feature can be turned **On** or **Off using the CURSOR RIGHT ▶▶ or CURSOR LEFT ◀◀ buttons** on the remote.





How to use the Format Control

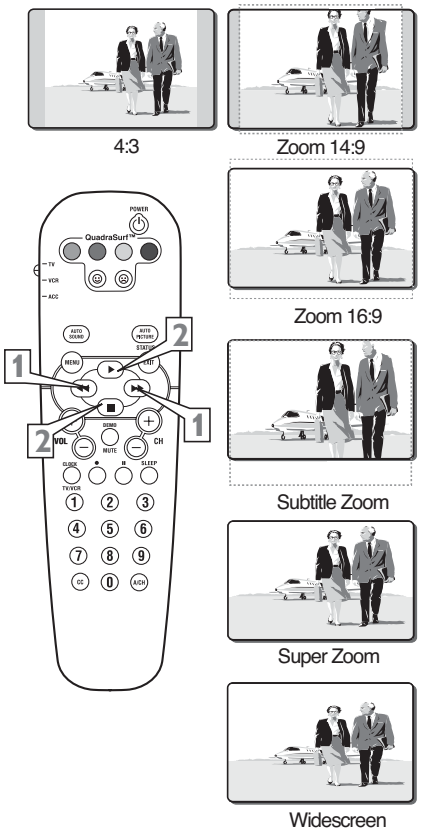
Format Options for models: 30PW8420

Many times while watching movies from a DVD player the image is shown in "letter box" format. This is the format that is shown in movie theaters. when shown on a TV screen, the image will have areas of black on top and bottom of the screen. After the desired format has been selected you can shift or "nudge" the picture by pressing the cursor to move the picture up or down.

1 **Press the CURSOR RIGHT ▶▶ or LEFT ◀◀ buttons** to select one of the toggle the screen format options.

2 While in the format options, you can **press the CURSOR UP ▶ or DOWN ■ buttons** to "nudge" the picture up or down.

NOTE: "Nudge" works when ▲▼ appear on the TV screen.

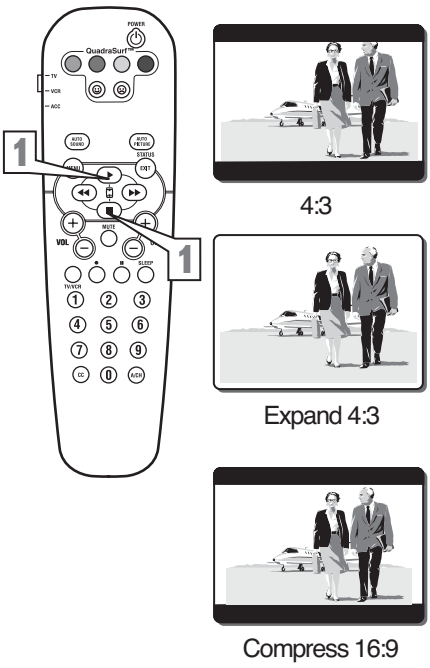


Format Options for models: 27PT8420

Many times while watching movies from a DVD player the image is shown in "letter box" format. This is the format that is shown in movie theaters. when shown on a TV screen, the image will have areas of black on top and bottom of the screen.

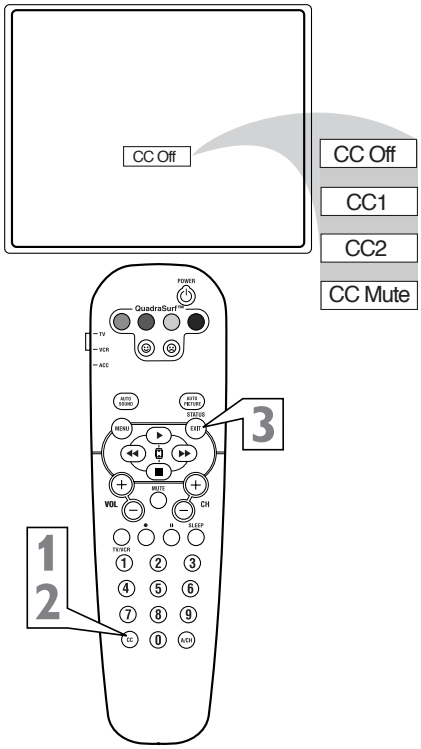
1 **Press the CURSOR UP ▶ or DOWN ■ buttons** to select one of the two options 4:3 or Expand 4:3.
4:3 - Standard format for the TV.
Expand 4:3 - Enlarges the picture to fill out the entire screen area, eliminating the "letter box" effect.
Compress 16:9 - Allows movies to be viewed in their full width (known as letter-box style).

NOTE: "Nudge" is not functional in models 27PT8420.



CLOSE CAPTIONING

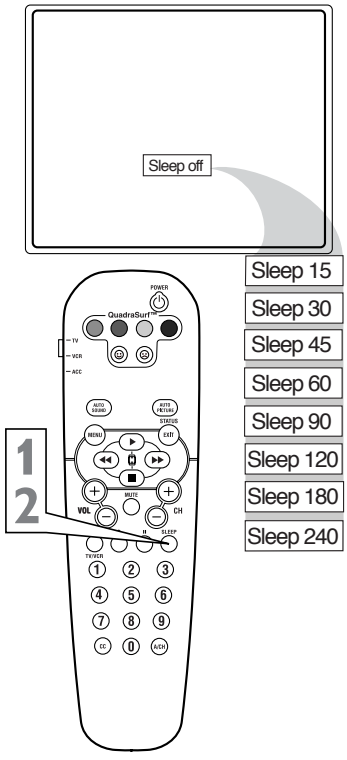
Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.



1. **Press the CC button** on the remote to display the current Closed Caption setting.
2. **Press the CC button repeatedly** to choose from the four Closed Caption options (CC Off, CC1, CC2, CC Mute).
3. **When finished, press the STATUS /EXIT button** to remove the menu from the TV's screen.

SLEEPTIMER

Your TV can be set to automatically turn itself off at a given amount of time.



1. **Press the SLEEP button** on the remote control and the SLEEP timer display will appear on the screen.
2. **Press the SLEEP button** repeatedly to pick the amount of time (15, 30, 45, 60, 90, 120, 180, or 240 minutes) before the TV will turn itself off.

NOTE: An onscreen count down will appear during the last minute before the TV shuts itself off. If any button is pressed during the last minute of the count-down, the Sleeptimer setting will be cancelled.

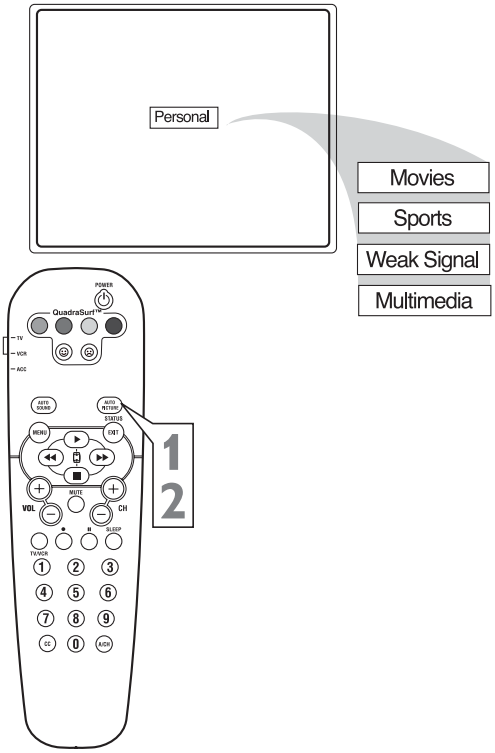
AUTO PICTURE™

Whether you're watching a movie or a sporting event, your TV has automatic video control settings matched for your current program source or content.

1 **Press the AUTO PICTURE button** on the remote control. The current Auto Picture setting will be displayed on the screen.

2 **Press the AUTO PICTURE button repeatedly** to select either Personal, Movies, Sports, Weak Signal, or MULTIMEDIA picture settings.

NOTE: The way you choose to set the Picture Menu Controls will become your Personal setting.



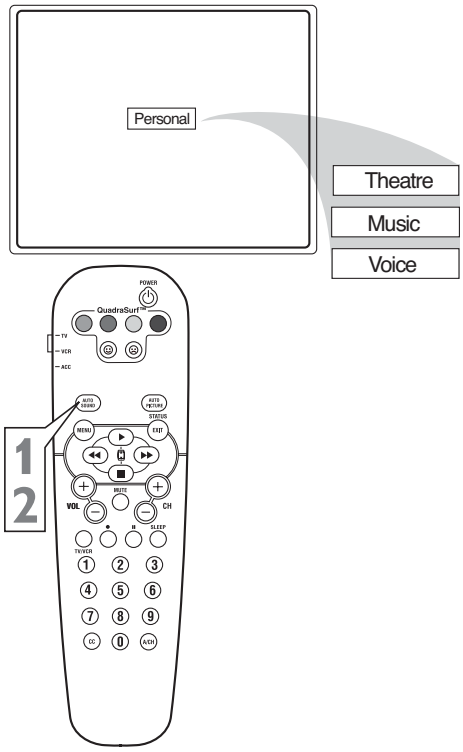
AUTO SOUND™

The Auto Sound feature allows the listener to select between four different factory set sound options.

1 **Press the AUTO SOUND button** on the remote control. The current Auto Sound setting will appear in the middle of the screen.

2 **Press the AUTO SOUND button repeatedly** to toggle between the four settings. (Personal, Theatre, Music, or Voice)

NOTE: The way you choose to set the Sound Menu Controls will become your Personal setting.



QUADRASURF™

The QuadraSurf™ control allows you set up four different personal channel Surf lists using the colored buttons (on the remote control), each holding up to ten channels in its quick viewing "list."

1 **Press the CHANNEL (+) or (–) buttons** (or the NUMBER buttons) to select a channel to add to one of the SURF lists.

2 **Press the SMILEY ☺ button** on the remote control to ADD the channel to one of the SURF lists.

3 **Press the corresponding COLORED (Red, Green, Yellow or Blue) button** to add the channel to that button's Surf list. (Up to ten channels per button can be stored.)

Repeat steps 1 through 3 to add additional channels (up to 10) to each of the the SURF lists.

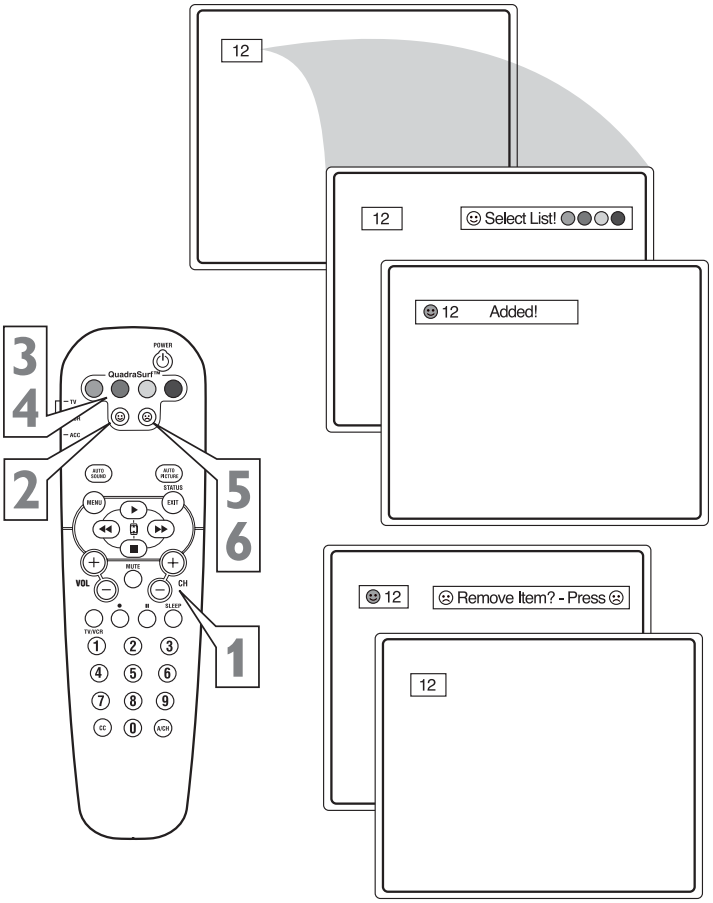
To remove a channel from one of the SURF lists;

4 **Press the COLORED Quadra Surf button** until the desired channel appears. The screen will display the channel number with a colored "Smiley" face to indicate the Colored button it relates to.

5 **While the "Smiley" face channel indicator is displayed, press the FROWNIE ☹ button.** The screen will read, "Remove item? - Press ☹."

6 **Press the FROWNIE ☹ button again** to con firm your decision to remove the channel from the Surf list.

Repeat steps 4-6 to remove other channels from Surf lists.



QUADRASURF™

The Quadra Surf buttons on your remote control allow you to store up to 10 channels per button (40 total). You can even program the A/V Input channels for each button making them a "source" button.

Assuming channels have now been added to the four Quadra Surf lists (the four colored buttons, see the previous page), let's review how the feature works.

1 **Press one of the pre-programmed COLORED buttons** on the remote (Red, Green, Yellow or Blue). The screen will display a smiley face with the first programmed channel for that surf list.

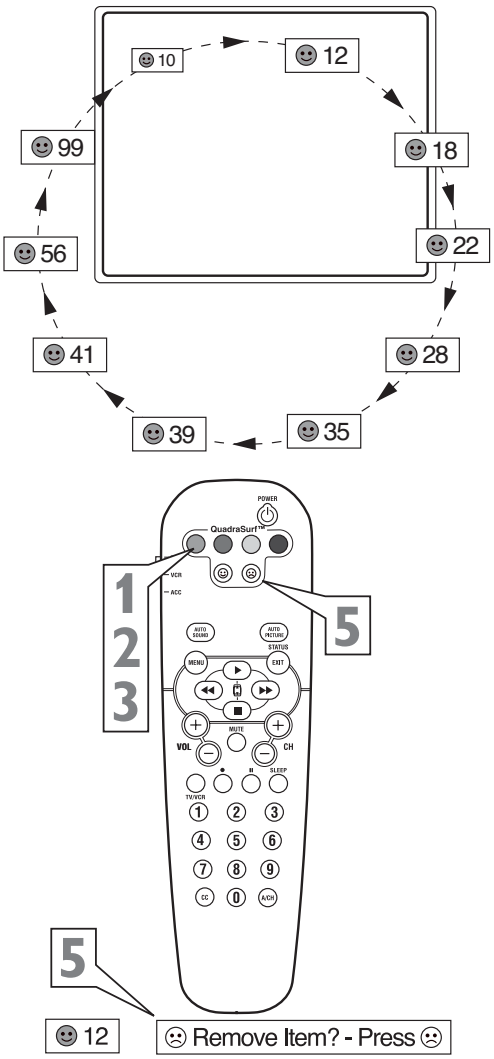
2 **While the colored "smiley" face still appears on the screen, press the same COLORED button** on the remote to tune the second channel programmed for that specific surf list.

3 **Repeatedly pressing the same COLORED but - ton** while the "smiley" face appears will tune all the programmed channels. Pressing the COLORED button again will return you to the first channel in the list.

If the "smiley" face disappears from the screen and the same COLORED button is pressed, the surf channels will be displayed starting with the FIRST programmed channel again.

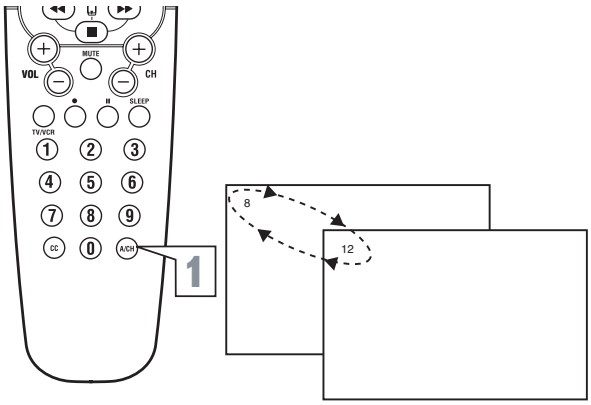
4 Repeat steps 1-3 for the other three COLORED buttons (Surf lists) if desired.

5 Any time the "smiley" face appears with the channel number, **pressing the "frownie" face button** will allow you to remove it from the list (see the previous page for more details).



ALTERNATE CHANNEL

1 Your remote also has an A/CH (Alternate Channel) button. Pressing this button will toggle between the Current and one previously selected channel.



REMOTE USE - CODE ENTRY FOR ACCESSORIES

If your remote control will not operate your accessory devices, look up the four-digit code listed by your brand on panels 27-29.

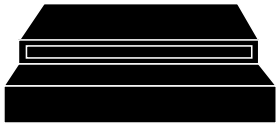
Please read through steps 1-5 before beginning.

1. **Place the TV/VCR/ACC Mode Switch** in the proper position.
2. **Press the VCR • RECORD button** on the remote control and release.
3. **Press the AUTO SOUND button** on the remote with in 30 seconds, then release.
4. **Enter the FOUR-DIGIT REMOTE CODE NUMBER** for your desired device. The remote is now ready to send commands to the unit.
5. **Point the remote** at the Device. Press the POWER button on the remote to turn the unit ON.

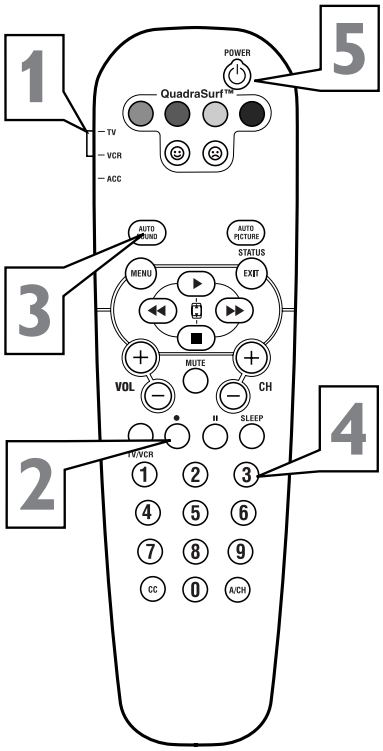
If this doesn't work the first time, repeat the steps using another remote code number.

VCR

Cable Box



DBS or other Accessory Device

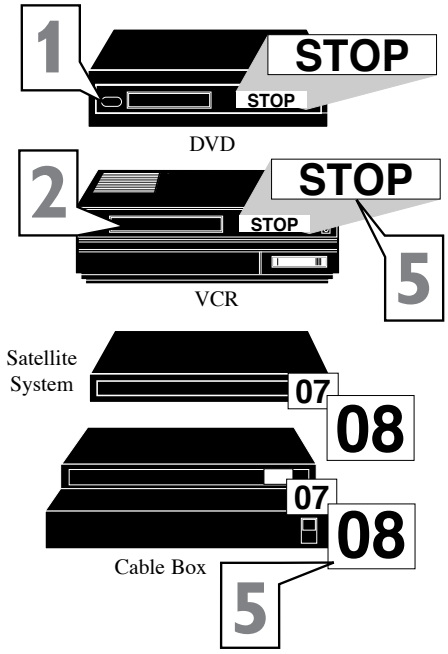


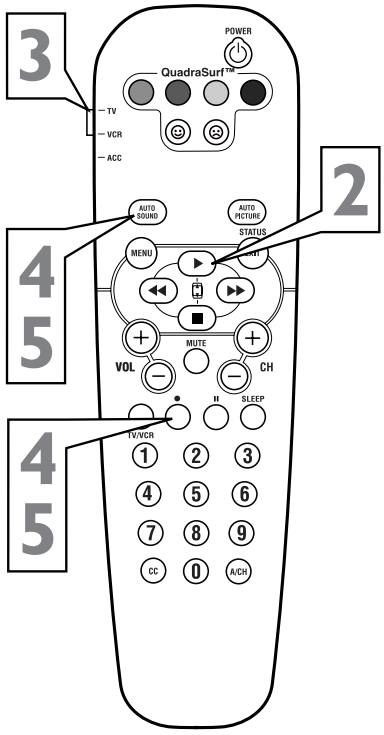
REMOTE USE - SERACH METHOD FOR ACCESSORIES

The Search Method of programming your remote can take as long as 12 minutes to perform so we recommend you use it as a last resort.

Please read all the steps below before beginning.

1. **Press the POWER button** on the device your are attempting to program to turn it ON.
2. If programming a VCR or DVD type product that has a **STOP** play command, place a VCR Tape or DVD disc into the device. **Press the PLAY button**.
3. **Place the TV/VCR/ACC Mode Switch** in the proper position. VCR for programming Video Cassette Recorders or ACC for all other accessory devices.
4. **Press the VCR • RECORD and the AUTO SOUND buttons simultaneously** and hold them down. As you continue to hold down buttons, the remote will run through its programmed code list with a command for the VCR or DVD to **STOP** play. Or, for Cable Boxes and Satellite Receivers the command will be to **CHANGE CHANNELS**.
5. When the STOP command happens **release the two buttons**. Or for Cable Boxes and Satellite Receivers, as soon as the channel changes **ONCE, IMMEDIATELY release the two buttons**.





REMOTE CONTROL DIRECT ENTRY CODES FOR ACCESSORY DEVICES

VCR CODES

Admiral 2027, 2052
Adventura 2001
Aiko 2059
Aiwa 2001, 2017, 2062, 2070, 2072
Akai 2021, 2029, 2038, 2060, 2063
Akiba 2034
Alba 2011, 2034, 2052, 2059, 2063, 2072
Ambassador 2011
American Action 2059
American High 2015
Amstrad 2001, 2059, 2067, 2068
Anam . . . . . .2017, 2042, ... 2054, 2057, 2059, 2082, 2084
Anam National 2042, 2054, 2087
Anitech 2034
Asa 2017, 2035
Asha 2057
Asuka 2017
Audiovox 2017
Baird 2001, 2021, 2037, 2039
Basic Line 2011, 2034, 2059
Beaumark 2057
Bell & Howell 2037
Blaupunkt . . . . .2003, 2005, 2010, 2014, . . . 2041, 2042, 2048, 2054, 2055, 2075
Brandt 2047, 2064, 2065
Brandt Electronic 2021
Broksonic .2002, 2040, 2046, 2052, 2078
Bush 2034, 2052, 2059, 2072
Calix 2017
Canon 2015
Capehart 2011
Carver 2035
Catron 2011
CCE 2034, 2059
CGE 2001
Cimline 2034
Cineral 2059
Citizen 2017, 2059
Clatronic 2011
Colt 2034
Combitech 2072
Condor 2011
Craig 2017, 2026, 2034, 2057, 2058
Crown 2011, 2034, 2059
Curtis Mathes . . .2015, 2021, 2032, 2042
Cybernex 2057
Cyrus 2035
Daewoo . .2011, 2024, 2025, 2059, 2083
Dansai 2034
Daytron 2011
De Graaf 2022, 2043
Decca 2001, 2035
Denon 2022
Dual 2021
Dumont 2001, 2035, 2037
Dynatech 2001
Elbe 2018
Elcatech 2034
Electrohome 2017
Electrophonic 2017
Emerex 2012
Emerson .2001, 2002, 2017, 2023, 2040, ...2046, 2051, 2052, 2059, 2078, 2083
ESC 2057, 2059
Ferguson 2021, 2039, 2064, 2065
Fidelity 2001
Finlandia 2035, 2037
Finlux 2001, 2022, 2035, 2037
Firstline . .2017, 2023, 2024, 2034, 2052
Fisher 2025, 2026, 2030, 2037
Frontech 2011
Fuji 2015
Funai 2001
Garrard 2001
GE 2015, 2027, 2032, 2057
GEC 2035
General 2011
Go Video 2077, 2081
Goldhand 2034
Goldstar 2017, 2018, 2053, 2079
Goodmans 2001, 2017, 2034, 2059, 2075
Gradiente 2001, 2008
Graetz 2005, 2021, 2037, 2057
Granada 2025, 2035, 2037
Grandin 2001, 2017, 2034
Grundig . .2003, 2005, 2007, 2010, 2034, .2035, 2048, 2050, 2054, 2069, 2071, 2075
Hanseatic 2017
Harley Davidson 2001
Harman/Kardon 2018, 2035
Harwood 2034
HCM 2034
Headquarter 2025
Hinari 2004, 2034, 2057, 2072
Hi-Q 2026
Hitachi 2001, 2004, 2021, 2022, 2043, 2057
Hughes Network Systems 2022
Hypson 2034
Imperial 2001
Ingersol 2004
Interfunk 2035
ITT . . . . . .2005, 2021, 2025, ...2037, 2038, 2057, 2074
ITV 2017, 2059
Jensen 2021
JVC . . . . . .2008, 2021, 2033, ...2049, 2050, 2074, 2080
Kaisui 2034
KEC 2017, 2059
Kendo 2038, 2052
Kenwood 2018, 2021, 2033
KLH 2034
Kodak 2015, 2017
Korpel 2034
Layco 2034
Lenco 2059
LG 2079
Lloyd's 2001, 2051
Loewe 2004, 2005, 2017, 2035
Logik 2004, 2034, 2057
Luxor 2023, 2025, 2027, 2037, 2038
LXI 2017
M Electronic 2001
Magnasonic 2059
Magnavox 2001, 2015, 2019, 2035
Magnin 2057
Manesth 2024, 2034
Marantz 2003, 2005, 2015, 2035
Marta 2017
Matsui .2004, 2016, 2036, 2052, 2070, 2072
Matsushita 2015, 2042, 2055
Mei 2015
Melectronic 2018
Memorex . . . . . .2001, 2015, 2017, ...2019, 2025, 2026, 2027, 2037, ...2052, 2057, 2062, 2085, 2087, 2088
Memphis 2034
Metz . . . . . .2003, 2005, 2017, ... 2042, 2048, 2055, 2069
MGA 2023, 2057
MGN Technology 2057
Mincrva 2048
Minerva 2005, 2010, 2048
Minolta 2022
Mitsubishi .2023, 2027, 2033, 2035, 2045
Motorola 2015, 2027
MTC 2001, 2057
Multitech 2001, 2034
Murphy 2001
NAD 2031
National 2054
NEC 2018, 2020, 2021, 2033, 2037
Neckermann 2035
Nesco 2034
Nikko 2017
Nikon 2014
Noblex 2057
Nokia 2025, 2037, 2038, 2057
Nokia 2021, 2025, 2037, 2038, 2057
Nordmende .2021, 2061, 2064, 2065, 2074
Oceanic 2001, 2021
Okano 2063, 2070
Olympus 2015, 2054
Optimus . . . . . .2017, 2027, 2031, . . . 2037, 2042, 2077, 2086, 2087, 2088
Orion . . . . . .2002, 2004, 2016, ...2036, 2046, 2052, 2070, 2072, 2078
Osaki 2001, 2017, 2034

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Otto Versand 2035
Palladium 2005, 2017, 2021, 2034
Panasonic 2015, 2042,
. . . . . .2053, 2054, 2055, 2087
Pathe Cinema 2016
Pathe Marconi 2021
Penny 2015, 2017, 2018, 2020, 2022, 2057
Pentax 2022
Perdio 2001
Philco 2015, 2018, 2052, 2078
Philips . . .2015, 2035 (DEFAULT VCR),
. . . . . .2074, 2075
Phonola 2035
Pilot 2017
Pioneer 2031, 2033, 2035
Portland 2011
Profex 2066
Profitronic 2057
Proline 2001
Proscan 2032
Protec 2034
Pulsar 2019
Pye 2035
Quarter 2025
Quartz 2025
Quasar 2015, 2042, 2087
Quelle 2035
Radio Shack 2001, 2085
Radiola 2035
Radix 2017
RCA 2015, 2022, 2027, 2032, 2038, 2057
Realistic 2001, 2015,
. . . . . .2017, 2025, 2026, 2027, 2037
REX 2021, 2074
RFT 2075
Ricoh 2014
Roadstar 2017, 2034, 2057, 2059
Runco 2019
Saba 2021, 2049, 2050,
. . . . . 2061, 2064, 2065, 2074
Saisho 2004, 2016, 2036, 2052
Salora 2023, 2025, 2038
Samsung 2024, 2057, 2076, 2077
Sanky 2019, 2027
Sansui 2001, 2021,
. . . . . .2033, 2052, 2058, 2078
Sanyo 2025, 2026, 2037, 2057
Saville 2072
SBR 2035
Schaub Lorenz . .2001, 2005, 2021, 2037
Schneider 2001, 2034, 2035
Scott 2023, 2024, 2040, 2046
Sears 2001, 2015,
. . . . . .2017, 2022, 2025, 2026, 2037
SEG 2057, 2066
SEI 2004, 2035
Seleco 2021
Semp 2024
Sentra 2011
Sharp 2027, 2073
Shintom 2034, 2037
Shogun 2057
Shorai 2004
Siemens 2003, 2005,
. . . .2010, 2017, 2030, 2035, 2037, 2048
Silva 2017
Singer 2024, 2034
Sinudyne 2004, 2035
Solavox 2011
Sonolor 2025
Sontec 2017
Sony 2001, 2012, 2013, 2014, 2015
STS 2022
Sunkai 2070
Sunstar 2001
Suntronic 2001
Sylvania 2001, 2015, 2023, 2035
Symhonic 2001
Tashiko 2001
Tatung 2001, 2021, 2035
Teac 2001, 2021
TEC 2011
Technics 2015, 2042, 2054
Teknika 2001, 2015, 2007, 2017
Teleavia 2021
Telefunken 2021, 2047, 2058, 2064, 2074
Tenosal 2034
Tensai 2001, 2066
Thomas 2001
Thomson 2021, 2064, 2074
Thorn 2016, 2021, 2037
TMK 2051, 2057
Toshiba . .2021, 2023, 2024, 2035, 2074
Totelevision 2017, 2057
Towada 2066
Uher 2057
Unitech 2057
Universum 2001, 2006, 2010,
. . . .2017, 2035, 2038, 2048, 2057, 2067
Vector 2024
Vector Research 2018, 2020
Victor 2008, 2021, 2033
Video Concepts 2020, 2024
Videosonic 2057
Wards 2001, 2015, 2022,
. . . .2026, 2027, 2032, 2034, 2035, 2057
White Westinghouse 2052, 2059
XR-1000 2001
XR-1001 2015
XR-1002 2034
Yamaha 2018
Yamishi 2034
Yokan 2034
Yoko 2011, 2057
Zenith . . .2001, 2014, 2019, 2052, 2078

DVD Codes

Akai 5316
Harman/Kardon 5314
JVC 5311, 5318
Kenwood 5307
Magnavox 5302
Mitsubishi 5303
Onkyo 5302, 5317, 5319
Panasoni 5301, 5322
Philips . . .5302, 5308 (DEFAULT DVD)
Pioneer 5305, 5312, 5321
Proscan 5304
RCA 5304
Samsung 5313
Sharp 5320
Sony 5306
Technics 5301
Theta Digital 5312
Thomson 5310
Toshiba 5302
Yamaha 5301, 5309

Cable Box Codes

ABC 3002, 3003, 3004, 3006, 3008
Andover 3037
Bell & Howell 3006
Birgmingham Cable Communication . . .3020
British Telecom 3002, 3012
Cabletime 3016, 3019, 3025, 3029
Clyde 3011
Contec 3009
Cryptovision 3038
Daehan 3043
Daeryung 3003
Decsat 3027
Everquesst 3007
Filmnet 3028
France Telecom 3030
GEC 3011
Gemini 3007
General Instrument . .3004, 3020, 3031, 3046
Goldstar 3014, 3047
Grundig 3035
Hitachi 3004
Jasco 3007
Jerrold 3002, 3004, 3005,
. . . . . .3006, 3007, 3020, 3031, 3046
LG Alps 3044
Memorex 3001
Mnet 3009, 3028
Now 3041

REMOTE CONTROL DIRECT ENTRY CODES FOR ACCESSORY DEVICES

Cable Box Codes

Now 3041
Oak 3009
Pacific 3039
Panasonic 3001, 3013
Paragon 3001
Pioneer 3014, 3036
Pulsar 3001
PVP Stereo Visual Matrix 3002
Quasar 3001
Radio Shack 3007
Rembrandt 3004
Runco 3001
Salora 3026
Samsung 3014, 3040
Satbox 3024
Scientific 3003, 3032, 3049
Scientific Atlanta 3003, 3008, 3021
Seawoo 3045
Signal 3007
Signature 3004
Starcom 3002, 3007
Stargate 3007
Starquest 3007
STS 3015
Taihan 3043
Tele+1 3028
Teleservice 3022
Tocom 3005
Tongkook 3042, 3048
Toshiba 3001
Tudi 3023
Tusa 3007
United Cable 3002
Videoway 3017
Visicable+ 3033
Westminster 3012
Wolsey Gene 3037
Zenith 3001, 3034

Satellite Receiver Codes

Absat 4006
Alba 4029, 4034, 4037, 4052
Aldes 4019
Amstrad . . . . . .4003, 4016, ...4025, 4038, 4039, 4042
Ankard 4013, 4019, 4030, 4044
Anttron 4009, 4034
Armstrong 4015
AST 4027
Astra 4005
Astro 4008, 4039, 4045
Avalon 4031
Axis 4030, 4046
Beko 4010
Best 4030
Blaupunkt 4008
Boca 4015, 4043
Brain Wave 4022
British Sky Broadcasting 4058
BT 4053
Bush 4002
Cambridge 4024
Canal Satellite 4059
Canal+ 4059
Channel Master 4029
CNT 4045
Comlink 4019
Connexions 4031
Crown 4015
Cyrus 4011
D-Box 4054
DDC 4029
DNT 4011, 4031
Echostar 4031, 4036, 4061
Emanon 4034
Ferguson 4002, 4009, 4010, 4023
Fidelity 4016
Finlux 4005, 4024, 4032, 4037
Fracarro 4061
Freecom 4034
FTE Humax 4060
Fube 4030, 4031, 4034
Galaxis 4019, 4057, 4060
General Instrument 4012
Gold Box 4059
Gooding 4048
Goodmans 4010
Grundig 4008, 4010, 4048
G-sat 4009
Hinari 4009
Hirschimann . .4008, 4032, 4039, 4040, 4049
Hitachi 4037
Houston 4053
Huth 4013, 4015, 4019, 4026
Intervision 4050
Invideo 4061
ITT 4005
Johansson 4022
JVC 4048
Kathrein .4004, 4006, 4008, 4011, 4035, 4041
Kreiselmeyer 4008
Kyostar 4034
La Sat 4043, 4045
Lenco 4034
Lennox 4050
Lupus 4030
Luxor 4005, 4049
Manhattan 4037, 4045, 4050
Marantz 4011
Maspro 4004, 4023
Matsui 4024, 4048
Mediamarkt 4015
Mediasat 4059
Minerva 4048
Morgan's 4015, 4043
Navex 4022
Neuhaus 4039
Neusat 4057
Newhaus 4013
Nokia .4005, 4032, 4037, 4049, 4054, 4063
Nordmende 4029
Orbitech 4039
Oxford 4024
Pace . . . . . .4002, 4009, 4014, ...4023, 4037, 4055, 4058
Palladium 4048
Palsat 4039
Panda 4037
Philips . . . . . .4007, 4011, ...4020, 4037, 4048, 4059
Phonotrend 4019, 4050
Pioneer 4021, 4059
Planet 4061
Promax 4037
Prosat 4019
Quadral 4029, 4044
Radiola 4011
Radix 4031, 4064
RFT 4011, 4013, 4019
Saba 4023, 4045
Sabre 4037
Sagem 4056
Salora 4005
SAT 4027, 4038
Satcom 4026, 4051
Satec 4009
Satmaster 4026
Satpartner 4022, 4034, 4040, 4045
Schwaiger 4009, 4041
Seemann 4031, 4046
SEG 4030, 4034
Siemens 4008
Skymaster 4019, 4044, 4051
Sony 4017, 4018
Strong 4062
Sunstar 4043
Tantec 4023, 4037
Techniland 4026
Technisat 4001, 4039
Telefunken 4034
Teleka 4015, 4052

TROUBLESHOOTING TIPS

No Power
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture
- Check antenna connections. Are they properly secured to the TV's ANT 75Ω plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.
- Press the AV button on the remote to make sure the correct signal source is selected (FRONT, AV1, AV2, Current Channel, etc.).

No Sound
- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections located on the front of the TV.

Remote Does Not Work
- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.

Remote Does Not Work Continued
- Clean the remote control and the remote control sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.

TV Displays Wrong Channel or No Channels Above 13
- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

TV Displays white lines in letterbox when viewing a DVD disc
- Some DVD Discs are encoded with as much as 30% more video information to give the best possible picture quality. With the DVD Player in the 16:9 picture format, the playback of this type of disc with extra video information, can produce a number of small white lines in the upper portion of the black letterbox area. With some of these discs, this situation is unavoidable and it does not require a service call.

CLEANING AND CARE

WARNING Concerning Stationary Images on the TV Screen:

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven picture-tube aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**

- **DVD menus—**listings of DVD disk content
- **Letterbox black bars—**shown at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio.
- **Video-game images and scoreboards**
- **Television station logos—**present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers—**presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays—**bright and shown constantly or repeatedly in the same location on the TV screen.

Placement of the TV
- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

Cleaning
- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

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PHILIPS LIMITED WARRANTY

90 Days Labor & One (1) Year Parts & Two (2) Years Display

PHILIPS CONSUMER ELECTRONICS warrants this product against defect in material or workmanship, subject to any conditions set forth as follows:

PROOF OF PURCHASE: You must have proof of the date of purchase to receive warranted repair on the product. A sales receipt or other document showing the product and the date that you purchased the product as well as the authorized retailer included, is considered such proof.

COVERAGE:
(If the product is determined to be defective)

LABOR: For a period of ninety (90) days from the date of purchase, Philips will repair or replace the product, at its option, at no charge, or pay the labor charges to any Philips authorized repair facility. After the period of ninety (90) days, Philips will no longer be responsible for charges incurred.

PARTS: For a period of one (1) year from the date of purchase, Philips will supply at no charge, new or rebuilt replacement parts in exchange for defective parts. Philips authorized service centers will provide removal and installation of the part under the specified labor warranty.

DISPLAY: For a period of two (2) years from the date of purchase, Philips will supply, at no charge, a new or rebuilt active display device in exchange for the defective display. Philips authorized service centers will provide removal and installation of the parts under the specified labor warranty.

EXCLUDED FROM WARRANTY COVERAGE
Your warranty does not cover:

- Labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- Product repair and/or part replacement because of improper installation, connections to improper voltage supply, abuse, neglect, misuse, accident, unauthorized repair or other cause not within the control of Philips.
- A product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- Damage occurring to product during shipping when improperly packaged or cost associated with packaging.
- Product lost in shipment and no signature verification of receipt can be provided.
- A product used for commercial or institutional purposes (including but not limited to rental purposes).
- Products sold AS IS or RENEWED.

TO OBTAIN WARRANTY SERVICE IN THE U.S.A., PUERTO RICO, OR U.S. VIRGIN ISLANDS…
Contact Philips Customer Care Center at:
1-888-PHILIPS (1-888-744-5477)

TO OBTAIN WARRANTY SERVICE IN CANADA…
1-800-661-6162 (French Speaking)
1-888-PHILIPS (1-888-744-5477) - (English or Spanish Speaking)

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY FOR THE CONSUMER. PHILIPS SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusions or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. In addition, if you enter into a service contract agreement with the PHILIPS partnership within ninety (90) days of the date of sale, the limitation on how long an implied warranty lasts does not apply.

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips, P.O. Box 671539, Marietta, GA. 30006-0026

(Warranty: 4835 710 27400)

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